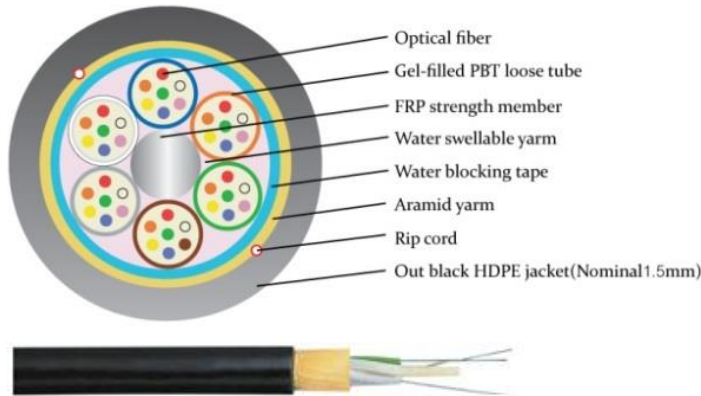


ASIT-W-FOADSSSX1

Fiber Optical Cable-All Dielectric Self-Supporting Optical Cable (ADSS) Single jacket



Standard

- ISO/IEC 9001 : 2008, ISO/IEC 11801
- IEC60332-3, IEC60332-1
- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- IEC61034-2, IEC60754-2
- Telcordia (Bellcore) GR-20-CORE, GR-409-CORE
- IEC60793, IEC60793-2B1.3 , IEC60794-1-2, IEC60794-1-2-E1
- ANSI/ICEA 696, ANSI/ICEA 596
- IEA-455 ICEA 640
- ITU-T G.651 (Multi Mode)
- EN 50173-1 IEC 60793
- ITU-T G.652D (Single Mode)
- RoHS Compliant
- IEEE802.3 ATM FDDI
- TISI 2166-2548

Features

The product is use as communication optical cable of overhead highvoltage electricity transmission system. It also can be used as communication optical cable at the areas. Structure cable non armor

Specifications

Table 1 : Geometrical Performance

Item		Specification
Core Fiber		12 , 24 , 48 , 60 , 96 , 120
Attenuation Coefficient(dB/km) Single Mode(OS2)		≤ 0.34 @ 1310 nm ≤ 0.21 @ 1550 nm ≤ 0.23 @ 1625 nm
Mode Field Diameter		9.2 ± 0.4 μm @ 1310 nm 10.4 ± 0.5 μm @ 1550 nm
Material	Core	Germanium Doped Silica Glass
	Cladding	Silica Glass
Cladding Diameter		125 ± 1.0 μm
Core Non-Circularity(%)		≤ 5
Cladding Non-Circularity		≤ 1.0%
Core-Cladding Concentricity error		≤ 0.8 μm
Primary Coating		2 Layers of UV Curable Resin
Coating Diameter(μm)		245 ± 10
Colored Fiber Diameter(μm)		255 ± 10
Coating/Cladding Concentricity error		≤ 12 μm
Zero Dispersion Wavelength(λ ₀)		1,300 ≤ λ ₀ ≤ 1,324 nm

Table 2 : The Construction of the Cable

Item		Specification
Filling Compound		Thixotropic Jelly Compound
Loose Tube	Material	(PBT) Polybutylene Terephthalate
	Diameter	Nom. 4.2 mm.
	Assembly	Fibers are Brought Together with the Filling Compound and Placed in the Extruded Tube
Central Strength Member		Fiber-Reinforced Plastic(FRP) 1.6 mm
Strength Member		Aramid Yarn
Water Blocking Tape, Water Swellable Yran		Thickness 0.3 mm
Rip Cord		Polyestre Cords
Outer Sheath	Material	High Density Polyethylene(HDPE)
	Thickness	1.6 mm
Temperature Range	Operation	-40 °C to +70 °C
	Installation	-40 °C to +70 °C
	Storage	-40 °C to +75 °C
Maximum Span Length		< 80 m
Minimum Installation Sag		0.1% of Maximum Span Length
Maximum Tensile Load Short/Long Term		7,000 N / 3,600 N
Maximum Span Length	Installation	20 x External Diameter of Cable
	Operation	10 x External Diameter of Cable

Table 3 : The Color Code of the Loose Tubes Identification(Standard : TIA/EIA-598-A)

No.	Fiber Color	No.	Fiber Color
1	Blue	7	Red
2	Orange	8	Black
3	Green	9	Yellow
4	Brown	10	Violet
5	Slate	11	Rose
6	White	12	Aqua